

Title (en)
HYDRAULIC BEARING BUSH

Title (de)
HYDRAULISCHE LAGERBUCHSE

Title (fr)
COUSSINET DE PALIER HYDRAULIQUE

Publication
EP 3737875 A1 20201118 (DE)

Application
EP 18795326 A 20181018

Priority
• DE 102018200344 A 20180111
• EP 2018078474 W 20181018

Abstract (en)
[origin: WO2019137646A1] Hydraulic bearing bush, in particular for railway vehicle running gear, said hydraulic bearing bush having the following features: - an inner bush designed to accommodate a bearing pin; - an annular rubber element which substantially surrounds the inner bush and is connected thereto over the outer circumference thereof, preferably being cured onto the circumference thereof; - two annular supporting rings which are cured onto the rubber element at its two axial ends and are preferably made of metal; - an outer annular housing, at the inner circumference of which, preferably at the two axial ends of which, the supporting rings rest; and - at least two chambers which are formed in the circumferential direction between the annular rubber element and the annular housing, can be filled with a hydraulic liquid and each extend over some segments of the circumference, said chambers being connected to each other via at least one compensation and throttle channel; the inner bush has a preferably circumferential cavity, and the compensation and throttle channel is formed substantially by at least one separate tubular conduit element, preferably by at least one flexible hose, which is located in said cavity.

IPC 8 full level
F16F 13/14 (2006.01)

CPC (source: EP)
B33Y 80/00 (2014.12); **B61F 15/20** (2013.01); **F16F 13/1418** (2013.01); **F16F 13/18** (2013.01)

Citation (search report)
See references of WO 2019137646A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
DE 102018200344 A1 20190711; CN 111566378 A 20200821; CN 111566378 B 20220621; EP 3737875 A1 20201118; EP 3737875 B1 20220126; WO 2019137646 A1 20190718

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